Base developable discharge toplayer for E-beam resists

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Abstract of EPC		11 1
Aqueous base	soluble conducting polymers are disclosed, as is their use to a improve the precision of processes involving charged particle	dissipate an electrical charge
conductive fund	ctionalized polymers include polyanilines, polyparaphenylvinyl	lenes polythiophenes
polypyrroles, po	oly-p-phenylene oxides, polyfurans, polyphenylenes, polyazin	es, polyselenophenes.
polyphenylene	sulfides and polyacetylenes. Also disclosed are processes for	r the synthesis of poly
(nyaroxyanılıne conductive film	s) and polythiophenes and compositions and methods for pre	paring aqueous base soluble
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- (54) Base developable discharge toplayer for E-beam resists.
- Aqueous base soluble conducting polymers are disclosed, as is their use to dissipate an electrical charge and thereby to improve the precision of processes involving charged particle beams. Electrically conductive functionalized polymers include polyanilines, polyparaphenylvinylenes, polythiophenes, polypyrroles, poly-p-phenylene oxides, polyfurans, polyphenylenes, polyazines, polyselenophenes, polyphenylene sulfides and polyacetylenes. Also disclosed are processes for the synthesis of poly(hydroxyanilines) and polythiophenes and compositions and methods for preparing aqueous base soluble conductive films.